**WEST**

| Help | Logout | Interrupt |
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| Main Menu | Search Form | Posting Counts | Show S Numbers | Edit S Numbers | Preferences | Cases |
|-----------|-------------|----------------|----------------|----------------|-------------|-------|

## Search Results -

| Terms | Documents |
|-------|-----------|
| L9 and sales near5 manage$ near3 system | 2 |

**Database:**

US Patents Full-Text Database
US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

**Search:**

| Refine Search |
|---------------|

| Recall Text | | Clear |

## Search History

**DATE:** **Monday, March 17, 2003**    Printable Copy    Create Case

| Set Name side by side | Query | Hit Count | Set Name result set |
|-----------------------|-------|-----------|---------------------|
| *DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR* | | | |
| L10 | L9 and sales near5 manage$ near3 system | 2 | L10 |
| L9 | L8 and print near3 production near3 system | 64 | L9 |
| L8 | (internet or www or network) | 682664 | L8 |
| L7 | L6 and print$ near5 product | 8 | L7 |
| L6 | L5 and manage$ near5 system | 172 | L6 |
| L5 | monitor$ near2 sales | 483 | L5 |
| L4 | 5563999.pn. | 2 | L4 |
| L3 | 5563999.uref. | 19 | L3 |
| L2 | 5844554.uref. | 28 | L2 |
| L1 | 5844554.pn. | 2 | L1 |

END OF SEARCH HISTORY

**WEST**

☐ | Generate Collection | | Print |

L3: Entry 3 of 19                    File: USPT                    Mar 26, 2002

US-PAT-NO: 6362897
DOCUMENT-IDENTIFIER: US 6362897 B1

TITLE: Printing system and method for printing documents and forms

DATE-ISSUED: March 26, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Berg; Brian D. | Springboro | OH | | |
| McGee; Randy | Huber Heights | OH | | |
| Swabb; Michael L. | Moraine | OH | | |
| Allan; Jefferson | Westchester | OH | | |

ASSIGNEE-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY | TYPE CODE |
|---|---|---|---|---|---|
| The Standard Register Company | Dayton | OH | | | 02 |

APPL-NO: 08/ 402031   [PALM]
DATE FILED: March 10, 1995

INT-CL: [07] G06 K 15/00

US-CL-ISSUED: 358/1.6; 358/1.1
US-CL-CURRENT: 358/1.6; 358/1.1

FIELD-OF-SEARCH: 395/101, 395/106, 395/109, 395/110, 395/118, 395/133, 395/149, 395/156, 358/448, 358/452, 358/462

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| Search Selected | | Search ALL |

| | PAT-NO | ISSUE-DATE | PATENTEE-NAME | US-CL |
|---|---|---|---|---|
| ☐ | 4604690 | August 1986 | Suganuma et al. | 395/700 |
| ☐ | 4677551 | June 1987 | Suganuma | 364/401R |
| ☐ | 4899292 | February 1990 | Montagna et al. | 345/147 |
| ☐ | 4939670 | July 1990 | Freiman et al. | 395/110 |
| ☐ | 5060980 | October 1991 | Johnson et al. | 283/70 |
| ☐ | 5241464 | August 1993 | Greulich et al. | 364/401R |
| ☐ | 5315504 | May 1994 | Lemble | 364/400 |
| ☐ | 5410646 | April 1995 | Tondevold et al. | 395/149 |
| ☐ | 5445565 | February 1996 | Millard et al. | 395/147 |
| ☐ | 5530793 | June 1996 | Watkins et al. | 395/117 |
| ☐ | 5563999 | October 1996 | Yausich et al. | 395/149 |

FOREIGN PATENT DOCUMENTS

| FOREIGN-PAT-NO | PUBN-DATE | COUNTRY | US-CL |
|---|---|---|---|
| 0486160 | May 1992 | EP | |

ART-UNIT: 2624

PRIMARY-EXAMINER: Garcia; Gabriel

ABSTRACT:

A printing system for printing documents and forms, as needed, in response to user-entered commands, includes a touch screen monitor for displaying information regarding the documents and forms, and user options, and for entry of commands by the user. A memory stores a plurality of documents and forms, the documents and forms being organized into a plurality of libraries, and stores software to control the display of options on the monitor and the interpretation and implementation of commands entered on the monitor. A printer prints documents and forms, and a processor, responsive to the monitor and the memory and communicating therewith, is connected to the printer to control printing of a document or form by the printer upon selection thereof by a user and entry of commands via the touch screen monitor. The memory further stores software to control the display and printing of the documents and forms without the native applications in which the documents and forms were created.

30 Claims, 6 Drawing figures

**WEST**

| Generate Collection | Print |

### Search Results - Record(s) 1 through 10 of 19 returned.

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☐  1.   Document ID: US 6473760 B1

L3: Entry 1 of 19                     File: USPT                    Oct 29, 2002

US-PAT-NO: 6473760
DOCUMENT-IDENTIFIER: US 6473760 B1

TITLE: Apparatus for printing information automatically combined from two different sources

DATE-ISSUED: October 29, 2002

INVENTOR-INFORMATION:
| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------|------|-------|----------|---------|
| Klatt; Cory | Edmonds | WA | | |
| Krum; Brent | Redmond | WA | | |

US-CL-CURRENT: 707/10; 270/52.02, 707/200, 707/203, 707/205

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Image |

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☐  2.   Document ID: US 6415277 B1

L3: Entry 2 of 19                     File: USPT                    Jul 2, 2002

US-PAT-NO: 6415277
DOCUMENT-IDENTIFIER: US 6415277 B1

TITLE: Method of generating print production tasks using information extracted from enterprise databases

DATE-ISSUED: July 2, 2002

INVENTOR-INFORMATION:
| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------|------|-------|----------|---------|
| Klatt; Cory | Edmonds | WA | | |
| Krum; Brent | Redmond | WA | | |

US-CL-CURRENT: 707/1; 700/233, 700/95, 707/10, 709/224

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Image |

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☐  3.   Document ID: US 6362897 B1

L3: Entry 3 of 19                     File: USPT                    Mar 26, 2002

US-PAT-NO: 6362897
DOCUMENT-IDENTIFIER: US 6362897 B1

TITLE: Printing system and method for printing documents and forms

DATE-ISSUED: March 26, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------|------|-------|----------|---------|
| Berg; Brian D. | Springboro | OH | | |
| McGee; Randy | Huber Heights | OH | | |
| Swabb; Michael L. | Moraine | OH | | |
| Allan; Jefferson | Westchester | OH | | |

US-CL-CURRENT: 358/1.6; 358/1.1

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Image |

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☐ 4.   Document ID: US 6314420 B1

L3: Entry 4 of 19                    File: USPT                    Nov 6, 2001

US-PAT-NO: 6314420
DOCUMENT-IDENTIFIER: US 6314420 B1

TITLE: Collaborative/adaptive search engine

DATE-ISSUED: November 6, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------|------|-------|----------|---------|
| Lang; Andrew K. | Pittsburgh | PA | | |
| Kosak; Donald M. | Pittsburgh | PA | | |

US-CL-CURRENT: 707/3; 707/10, 707/2, 707/5

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | | KWIC | Draw Desc | Image |

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☐ 5.   Document ID: US 6292711 B1

L3: Entry 5 of 19                    File: USPT                    Sep 18, 2001

US-PAT-NO: 6292711
DOCUMENT-IDENTIFIER: US 6292711 B1

TITLE: Document dispenser companion document data downloading

DATE-ISSUED: September 18, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------|------|-------|----------|---------|
| LaDue; Philip G. | Bellbrook | OH | | |

US-CL-CURRENT: 700/241; 700/233, 700/235, 705/14, 705/16, 705/45

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | | KWIC | Draw Desc | Image |

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☐ 6.   Document ID: US 6208990 B1

L3: Entry 6 of 19                    File: USPT                    Mar 27, 2001

US-PAT-NO: 6208990
DOCUMENT-IDENTIFIER: US 6208990 B1

TITLE: Method and architecture for automated optimization of ETL throughput in data warehousing applications

DATE-ISSUED: March 27, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Suresh; Sankaran | Santa Clara | CA | | |
| Gautam; Jyotindra Pramathnath | Fremont | CA | | |
| Pancha; Girish | San Francisco | CA | | |
| DeRose; Frank Joseph | Fremont | CA | | |
| Sankaran; Mohan | Union City | CA | | |

US-CL-CURRENT: <u>707/6</u>; <u>707/10</u>, <u>707/100</u>, <u>707/102</u>, <u>707/104.1</u>, <u>707/200</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | | KWIC | Draw Desc | Image |

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☐ 7.   Document ID: US 6134568 A

L3: Entry 7 of 19               File: USPT            Oct 17, 2000

US-PAT-NO: 6134568
DOCUMENT-IDENTIFIER: US 6134568 A

TITLE: Previewing an assembled document

DATE-ISSUED: October 17, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Tonkin; Robert | Ventura | CA | | |

US-CL-CURRENT: <u>715/526</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | | KWIC | Draw Desc | Image |

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☐ 8.   Document ID: US 6101318 A

L3: Entry 8 of 19               File: USPT            Aug 8, 2000

US-PAT-NO: 6101318
DOCUMENT-IDENTIFIER: US 6101318 A

TITLE: Output apparatus for setting the output environment

DATE-ISSUED: August 8, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Hayashi; Masao | Tokyo | | | JP |

US-CL-CURRENT: <u>358/1.16</u>; <u>358/1.14</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | | KWIC | Draw Desc | Image |

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☐ 9.   Document ID: US 6078890 A

L3: Entry 9 of 19               File: USPT            Jun 20, 2000

US-PAT-NO: 6078890
DOCUMENT-IDENTIFIER: US 6078890 A

TITLE: Method and system for automated health care rate renewal and quality assessment

DATE-ISSUED: June 20, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------|------|-------|----------|---------|
| Mangin; Christophe | Ann Arbor | MI | | |
| Taylor; Katherine Louise | Detroit | MI | | |

US-CL-CURRENT: 705/2; 705/3, 705/4

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | | KWIC | Draw Desc | Image |

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☐ 10.   Document ID: US 6076076 A

L3: Entry 10 of 19                    File: USPT                    Jun 13, 2000

US-PAT-NO: 6076076
DOCUMENT-IDENTIFIER: US 6076076 A

TITLE: Prepaid print card system and method

DATE-ISSUED: June 13, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------|------|-------|----------|---------|
| Gottfreid; Thomas M. | Libertyville | IL | | |

US-CL-CURRENT: 705/45; 705/26, 705/408, 705/43, 705/44

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | | KWIC | Draw Desc | Image |

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| Generate Collection | Print |

| Terms | Documents |
|-------|-----------|
| 5563999.uref. | 19 |

**Display Format:** [ - ]   | Change Format |

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**WEST**

☐ | Generate Collection | | Print |

US-PAT-NO: 6236463
DOCUMENT-IDENTIFIER: US 6236463 B1

TITLE: Generating high speed variable information printed multiple page documents

DATE-ISSUED: May 22, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------|------|-------|----------|---------|
| Cyman; Theodore F. | Grand Island | NY | | |
| Weller; Kim K. | Angola | NY | | |
| Recchione; Robert J. | Niagara Falls | NY | | |
| Mariani; Frank J. | Grand Island | NY | | |
| Proefrock; Charles W. | North Tonawanda | NY | | |
| Kolniak; Thomas P. | Grand Island | NY | | |

ASSIGNEE-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY | TYPE CODE |
|------|------|-------|----------|---------|-----------|
| Moore U.S.A., Inc. | Grand Island | NY | | | 02 |

APPL-NO: 09/ 006385    [PALM]
DATE FILED: January 13, 1998

PARENT-CASE:
CROSS-REFERENCE TO RELATED APPLICATION This is based upon provisional application
Ser. No. 60/035,700 filed Jan. 17, 1997.

INT-CL: [07] G06 K 15/00

US-CL-ISSUED: 358/114; 358/11, 358/15, 358/117
US-CL-CURRENT: 358/1.14; 358/1.1, 358/1.17, 358/1.5

FIELD-OF-SEARCH: 395/101, 395/105, 395/109, 395/114, 395/117, 358/1.1, 358/1.5,
358/1.9, 358/1.14, 358/1.17

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| Search Selected | | Search ALL |

| | PAT-NO | ISSUE-DATE | PATENTEE-NAME | US-CL |
|---|--------|------------|---------------|-------|
| ☐ | 6046820 | April 2000 | Konishi | 358/19 |

FOREIGN PATENT DOCUMENTS

| FOREIGN-PAT-NO | PUBN-DATE | COUNTRY | US-CL |
|----------------|-----------|---------|-------|
| 0 459 793 | December 1991 | EP | |
| 470 782 A2 | February 1992 | EP | |
| 0 470 782 | February 1992 | EP | |
| 0 738 987 | October 1996 | EP | |
| 96/19352 | June 1996 | WO | |

ART-UNIT: 261

PRIMARY-EXAMINER: Zimmerman; Mark

ASSISTANT-EXAMINER: Sealy; Lance W.

ABSTRACT:

A system and method are provided which have the ability to print whole documents at a time, rather than page by page. The data for an entire multi-page document is fed directly to an output device, and then a print engine. The data stream includes a record layout including data field codes which tell the data system and/or raster image processor where to print strings of variable information in a document so that the strings only need be provided once even if printed in multiple places within the document. Data flows in the data stream to the print engine as the raster image processor functions in real time. The system has the capability to manipulate and transfer data at 10 Mbytes per second, which translate into a transfer rate of approximately 92,000 characters per second at up to 1,000 feet per minute print speeds, for up to six controllers. Either fixed or variable graphic elements may also be transferred in this same manner as the data and processed by the RIP in real time and printed at the same speed as the data.

19 Claims, 6 Drawing figures

**WEST**

☐ | Generate Collection |   | Print |

L1: Entry 1 of 2                    File: USPT                    Dec 1, 1998

US-PAT-NO: 5844554
DOCUMENT-IDENTIFIER: US 5844554 A

TITLE: Methods and systems for user interfaces and constraint handling
configurations software

DATE-ISSUED: December 1, 1998

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------|------|-------|----------|---------|
| Geller; Scott D. | Atlanta | GA | | |
| Heyda; Michael S. | Duluth | GA | | |
| Nees; Robert | Canton | GA | | |

ASSIGNEE-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY | TYPE CODE |
|------|------|-------|----------|---------|-----------|
| BT Squared Technologies, Inc. | Atlanta | GA | | | 02 |

APPL-NO: 08/ 718645    [PALM]
DATE FILED: September 17, 1996

INT-CL: [06] G06 F 15/00

US-CL-ISSUED: 345/333; 345/335, 345/347, 345/962, 345/967
US-CL-CURRENT: 345/744; 345/808, 345/866, 345/962, 345/967

FIELD-OF-SEARCH: 345/326, 345/333, 345/339, 345/342, 345/343, 345/347, 345/964,
345/968, 345/970, 345/335, 345/348, 345/962, 345/965, 705/1-4, 705/26, 705/29

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| Search Selected |   | Search ALL |

| | PAT-NO | ISSUE-DATE | PATENTEE-NAME | US-CL |
|---|---|---|---|---|
| ☐ | 4591983 | May 1986 | Bennett et al. | 395/65 |
| ☐ | 4688195 | August 1987 | Thompson et al. | 395/12 |
| ☐ | 4920499 | April 1990 | Skeirik | 395/12 |
| ☐ | 4992940 | February 1991 | Dworkin | 705/26 |
| ☐ | 5032989 | July 1991 | Tornetta | 705/1 |
| ☐ | 5212634 | May 1993 | Washizaki et al. | 364/400 |
| ☐ | 5228116 | July 1993 | Harris et al. | 395/54 |
| ☐ | 5260866 | November 1993 | Lisinki et al. | 705/29 |
| ☐ | 5267146 | November 1993 | Shimizu et al. | 364/512 |
| ☐ | 5307260 | April 1994 | Watanabe et al. | 395/500 |
| ☐ | 5307261 | April 1994 | Maki et al. | 705/29 |
| ☐ | 5311424 | May 1994 | Mukherjee et al. | 705/29 |
| ☐ | 5367627 | November 1994 | Johnson | 345/357 |
| ☐ | 5369732 | November 1994 | Lynch et al. | 395/51 |
| ☐ | 5446653 | August 1995 | Miller et al. | 705/4 |
| ☐ | 5471596 | November 1995 | Brown, III | 707/103 |
| ☐ | 5493490 | February 1996 | Johnson | 705/26 |
| ☐ | 5515524 | May 1996 | Lynch et al. | 395/500 |
| ☐ | 5523942 | June 1996 | Tyler et al. | 705/4 |

OTHER PUBLICATIONS

The advertising brochure "Trilogy PriceBuilder", Trilogy Development, Inc. The date
of availability of this brochure and of the described item is not known, but is
believed to be more than one year before the filing date of the present application.
The advertising brochure "SC Config", Trilogy Development, Inc. The date of
availability of this brochure and of the described item is not known, but is
believed to be more than one year before the filing date of the present application.

The advertising brochure "sellingPoint.TM.", Concentra Corporation, Burlington, MA.
Except for the copyright notice date of 1995 printed on the brochure, the date of
availability of this brochure and of the described item is not known.
The advertising brochure "SalesLogic.TM.", OBJIX Systems Development, Inc. Except
for the copyright notice date of 1996 printed on the brochure, the date of
availability of this brochure and of the described item is not known.
The advertising brochure "CLASSYS", Antalys. The date of availability of this
brochure and of the described item is not known.
A CD-ROM identified as "Calico Demos", Calico Technology, Inc., San Jose,
California. The date of availability of Calico Technology's configurator software is
not known, but is believed to be more than one year before the filing date of the
present application.

ART-UNIT: 273

PRIMARY-EXAMINER: Ba; Huynh

ABSTRACT:

A computer implemented method of generating a user product configuration program
module from a development environment. The user product configuration program module
includes user controls that allow user input of information for use in configuration
computations. Methods are disclosed for creating and maintaining the logic for a
configuration program module in the form of configuration parameters; creating and
maintaining the visual controls and user interface; and linking created visual
controls with underlying structure represented by the parameters. Parameters assume
values and are indicated as valid or invalid through operation of constraints and
queries. Further methods include display of parameter creation and selection
windows, and query creation and selection windows for creating SQL queries to access
data in external tables. Parameters, queries, and constraints can be displayed in

expandable and collapsi⬤ hierarchies, and quickly util⬤d in formulas, queries, and logical expressions by clicking in an expanded hierarchical display. Dependencies occurring in the underlying configuration logic are evaluated in both the forward and reverse direction so as to provide for very fast execution of the resultant configuration program module when a user provides new data via a user control.

47 Claims, 50 Drawing figures